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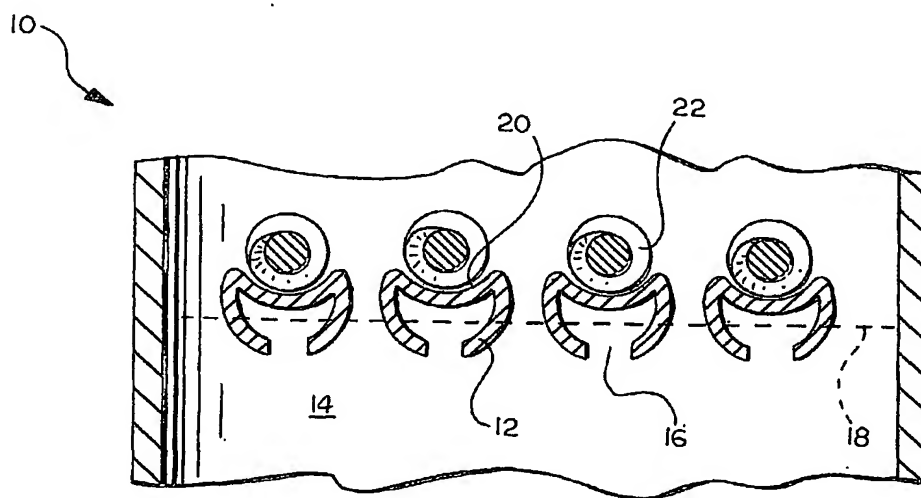
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- Published:
— with international search report
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[Continued on next page]

(54) Title: APPARATUS FOR TREATING RECYCLED POLYETHYLENE TEREPHTHALATE CONTAINING DENSE CONTAMINANTS



(57) Abstract: Apparatus (10) for treating RP T containing dense contaminants comprises a manifold (12) positioned within a chamber (14), said chamber (14) adapted to contain a fluidized bed, said manifold (12) adapted for conveying a bed fluidizing fluid there through, a plurality of apertures in said manifold (12) for communicating a fluid from said manifold (12) to said chamber (14), said apertures positioned below the midline (18) of said manifold (12), and a plurality of concave surface features (20) on said manifold (12, said concave surface features (20) positioned above the midline (18) of said manifold (12), said concave surface features (20) adapted to receive and retain dense contaminants from a fluidized bed.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/09764

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B01J 8/08, 8/18
US CL : 422/139, 143, 145, 311

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 422/139, 143, 145, 311

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
none

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,306,815 A (MAJER et al) 22 December 1981 (22.12.1981)	
A	US 5,085,170 A (HUTTLIN) 04 February 1992 (04.02.1992)	
A	US 6,699,444 B1 (WIETZKE et al) 02 March 2004 (02.03.2004)	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

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PCT/US04/09764

Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: RPET, fluidize, manifold, concave